

Message Text

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FM AMEMBASSY GABORONE

TO SECSTATE WASHDC 9095

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E.O. 11652: N/A

TAGS: BEXP, BC, CG

SUBJECT: ENERGY SYSTEMS TECHNICAL SALES SEMINAR

REF: A. USDOC WASHDC 20141 B. GABORONE 2192

THERE FOLLOWS SUMMARY OF ENERGY SYSTEM PROJECTS CONTAINED IN
PART 11 OF DRAFT NATIONAL DEVELOPMENT PLAN 1976-1981. COPIES OF
RELEVANT PARTS OF DRAFT POUCHED TO USDOC.

EMBASSY HAS REQUESTED FROM CHAIRMAN OF BOTSWANA POWER CORPORATION
FURTHER DETAILS OF PROJECTS ALONG LINES REFTEL A. WILL ADVISE IN
EVENT OF RESPONSE.

A. SHASHE PROJECT - ALL MAJOR WORKS COMPLETED TO INCLUDE THE
POWER STATION.

B. BOTSWANA POWER CORPORATION - DURING THE PLAN PERIOD NEW MAJOR
INVESTMENTS WILL BE REQUIRED FOR EXTENSION OF THE BPC S GENERATING,
TRANSMISSION AND DISTRIBUTION SYSTEM. IN MID 1978, CONSTRUCTION
WILL BEGIN ON A 6 MW EXPANSION OF THE STEAM POWER PLANT AT GABORONE.
THIS EXPANSION WILL BE UNDERTAKEN USING REHABILITATED SECOND HAND
PLANT WILL BRING THE STATION CAPACITY TO 19 MW.

IN THE LATER STAGES OF THE PERIOD (1980-81) A MAJOR EXPANSION OF
THE PIKWE FACILITY WILL BE MADE WITH THE ACQUISITION OF THE FIFTH
15 MW GENERATING SET AD AND COMPLETION OF A TRANSMISSION LINK TO
THE ORAPA DIAMOND MINE. OVERALL IT IS ANTICIPATED THAT P20.3
MILLION WILL BE REQUIRED OVER THE FIVE YEAR PERIOD (1 PULA;DOLS
1.15).

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TOTAL ESTIMATED COST: P20,300,000 (DOLS 23,350,000)

1976/77 1977/78 1978/79 1979/80 1980/81

CAPITAL .25 1.80 4.20 3.20 10.85
(PULA IN MILLIONS)

RECURRENT -- -- -- -- --

C. RURAL POWER SUPPLIES - TO SUPPLY ELECTRICITY TO MAJOR VILLAGES IN BOTSWANA. BOTSWANA POWER CORPORATION RESPONSIBLE. SURVEYS COMPLETED TO DETERMINE POTENTIAL CONSUMERS AND ANTICIPATED LOADS IN EACH VILLAGE. TRANSMISSION AND DISTRIBUTION SYSTEM DESIGN COMPLETED. TOTAL ESTIMATED FUNDS REQUIRED FOR INSTALLATION OF POWER AT THESE VILLAGES DURING PLAN PERIOD: P2,700,000 (DOLS 3,105,000)

1976/77 1977/78 1978/79 1979/80 1980/81

CAPITAL .8 .8 .6 .5 --
(PULA IN MILLIONS)

RECURRENT -- -- -- -- --

D. UTILIZATION OF SOLAR ENERGY - PROJECT TO EVALUATE POSSIBILITIES OF SOLAR AND WIND ENERGY FOR PUMPING WATER. FEASIBILITY STUDIES DONE BY EMPLOYMENT OF CONSULTANT IN SOME CASES. 1977/1978 AND 1978/1979 SCHEDULED FOR PILOT PROJECTS AFTER WHICH CONSULTANT AGAIN ENGAGED FOR EVALUATION. TOTAL ESTIMATED COST : P400,000. 1977/78 - 175,000, 1978/79 - 150,000, 1979/80 - 75,000.

E. SUA PAN PROJECT - DETAILED DESIGN AND FEASIBILITY STUDIES TO INCLUDE THOSE FOR POWER FACILITIES. TOTAL ESTIMATED COST OF ENTIRE PROJECT: P300,000 TO BE SPENT 1976/77.
NORLAND

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